

0009 CLAIM OR CLAIMS

1. What I claim as my invention is a design for the storage of inertial energy in a flywheel set within a motor vehicle drivetrain in order to optimize thermal efficiency and fuel economy. Use of this storage method is made possible by the two continuously variable ratio transmissions (Claim 2 below).
2. What I claim as my invention is the continuously variable ratio transmission using sintered metal cones, a cogged belt, and a pattern of protrusions allowing high power transfer and large range of transmission ratios in a greatly simplified design whose ratio is controlled by a shuttle assembly which positions the drive belt.
3. What I claim as my invention is the storage of inertial energy in two counter-rotating flywheels so that flywheel precession and torque reactions are canceled for safe operation in a motor vehicle.
4. What I claim as my invention is the reverse section of the continuously variable ratio transmission (Claim 2 above) that allows the reverse gear to be smoothly integrated into the transmission.